

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP 03/12854

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G05B23/02		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G05B G05D G07C		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/028305 A1 (TAYLOR J LAWRENCE ET AL) 11 October 2001 (2001-10-11)	1-2
Y	paragraph '0031! - paragraph '0032!	3-5, 7-15, 17-23
Y	US 5 765 995 A (SPRINGER MIKE C) 16 June 1998 (1998-06-16) column 4, line 47 - column 9, line 6	3-5
Y	DE 100 32 774 A (ENDRESS HAUSER GMBH CO) 17 January 2002 (2002-01-17) cited in the application column 3, line 20 - column 5, line 31	17-19
Y	WO 96/12993 A (FISHER ROSEMOUNT SYSTEMS INC) 2 May 1996 (1996-05-02) page 10, line 14 - page 14, line 29	7-15, 20-23
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "G" document member of the same patent family		
Date of the actual completion of the international search 10 May 2004		Date of mailing of the international search report 18/05/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Kelperis, K

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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X	US 2001/045892 A1 (DAVIS BRUCE R ET AL) 29 November 2001 (2001-11-29) paragraph '0023! - paragraph '0027!	1,3
A	US 5 745 049 A (YOSHITAKE SATOSHI ET AL) 28 April 1998 (1998-04-28) column 2, line 49 - column 5, line 30	1
A	US 2002/082755 A1 (TANAKA RYO) 27 June 2002 (2002-06-27) figures 1,6-6c,7	
A	US 5 257 190 A (CRANE HAROLD E) 26 October 1993 (1993-10-26) figure 1	

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Information on patent family members

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